STUDENT AI COMPETENCIES

The competencies below are arranged in five categories representing the range of key skills and competencies that will enable intentional, efficient, and responsible use of AI by students.

Understand

- **Types of AI:** Students will demonstrate an understanding of the core types of AI tools (generative AI, agents, copilots, etc.), their uses, their limitations, and the most commonly available tools in each category.
- **Core Concepts of AI:** Students will demonstrate understanding of the considerations of modern computing that enable AI, including big data availability, cloud infrastructure, and common AI models.
- S**taying Informed:** Students will develop a personal means to stay up to date on AI developments that impact them personally and professionally.

Evaluate

- **Critical Evaluation of AI Tools:** Students will critically assess the effectiveness and usefulness of various AI tools on a variety of tasks.
- **Assessment of AI Impact:** Students will evaluate the impact of AI on their learning and research outcomes.
- **Fact-checking and AI Hallucination:** Students will assess the reliability of AI tools, including detecting hallucinations, inaccuracies, or biases.

Apply

- **Communication Enhancement:** Students will understand how and when to use AI tools to effectively communicate interpersonally and professionally.
- **Planning and Creating:** Students will demonstrate the ability to use AI tools in an interactive and iterative way to aid in the process of drafting, creating, or planning.
- **Problem-solving and Self-learning:** Students will engage with AI tools to aid in problem-solving and research to learn new skills and adapt to changing demands.

Ethical Considerations

- **Use and Attribution of AI Tools:** Students will demonstrate understanding of when it is appropriate to use AI tools and how to attribute AI tools when used.
- **Responsible Use of Data:** Students will show awareness of when it is or is not appropriate (depending on specific contexts) to share documents or data with AI models.
- **AI in Society:** Students will articulate ethical considerations of the role of AI in modern society, including government regulation, productivity, environmental impact, and AI as a replacement for traditionally human roles and connections.

Career Preparation

- **Career Development Support:** Students will demonstrate the ability to use AI tools to support the components of their professional portfolio, including career exploration, job and post-secondary school applications, and professional conversation practice.
- **AI in Recruiting:** Students will show awareness of how employers are adopting recruitment tools that include AI functionalities.
- **AI in the Workforce:** Students will be able to articulate an awareness of industry-specific AI enabled tools and understand when and how AI could be applied in their next destination. https://www.naceweb.org/career-readiness/competencies/career-readiness-defined

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